



# 10

PATENT  
Docket No.: 2283/201

## IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicant(s): Margret Maria Sauter et al. )  
Serial No. : 09/785,738 ) Examiner:  
Cnfrm. No. : 3348 )  
Filed : February 16, 2001 )  
For : ALTERATION OF GROWTH AND )  
ADAPTATION UNDER HYPOXIC )  
CONDITIONS )

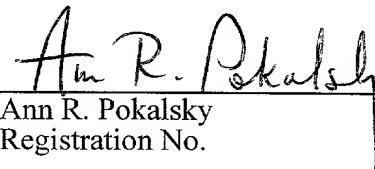
## SUBMISSION OF SUBSTITUTE DRAWINGS

Assistant Commissioner for Patents  
Washington, D.C. 20231  
**Box: Missing Parts**

Dear Sir:

As requested in the Notice to File Missing Parts mailed March 19, 2001, enclosed for filing in the above-identified application are 10 sheets of substitute drawings.

Respectfully submitted,

  
Ann R. Pokalsky  
Registration No. [redacted]

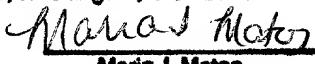
Date: May 18, 2001

NIXON PEABODY LLP  
990 Stewart Avenue  
Garden City, New York 11530-4838  
Telephone: (516) 832-7572  
Facsimile: (516) 832-7555

ARP/mm

## CERTIFICATE OF MAILING UNDER 37 C.F.R. § 1.8(a)

I certify that the attached correspondence is being deposited  
on May 21, 2001 with the U.S. Postal Service as first class mail  
under 37 C.F.R. § 1.8 and addressed to:  
Assistant Commissioner for Patents, Washington, D.C. 20231.

  
Maria L. Matos

**Fig. 1**

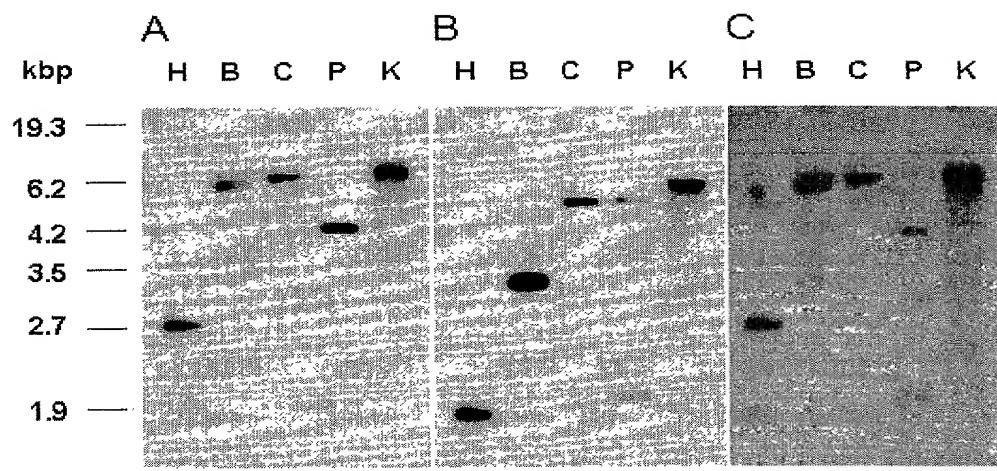


Fig. 2

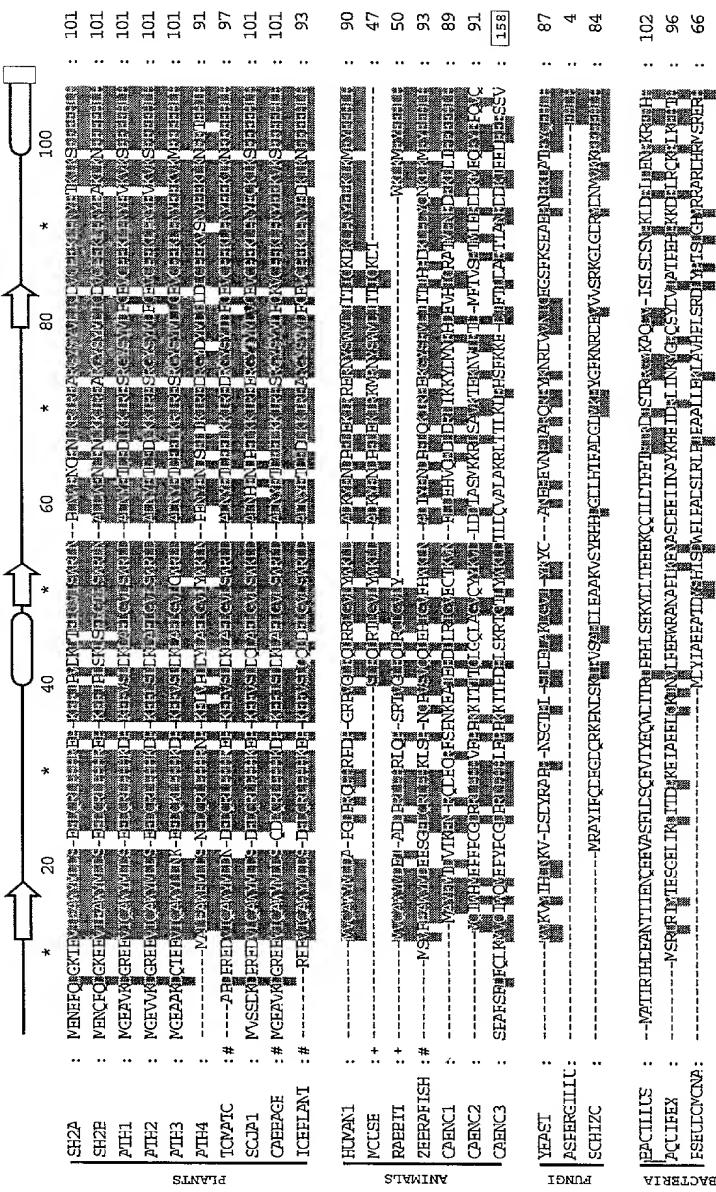


Fig 2 cont'd

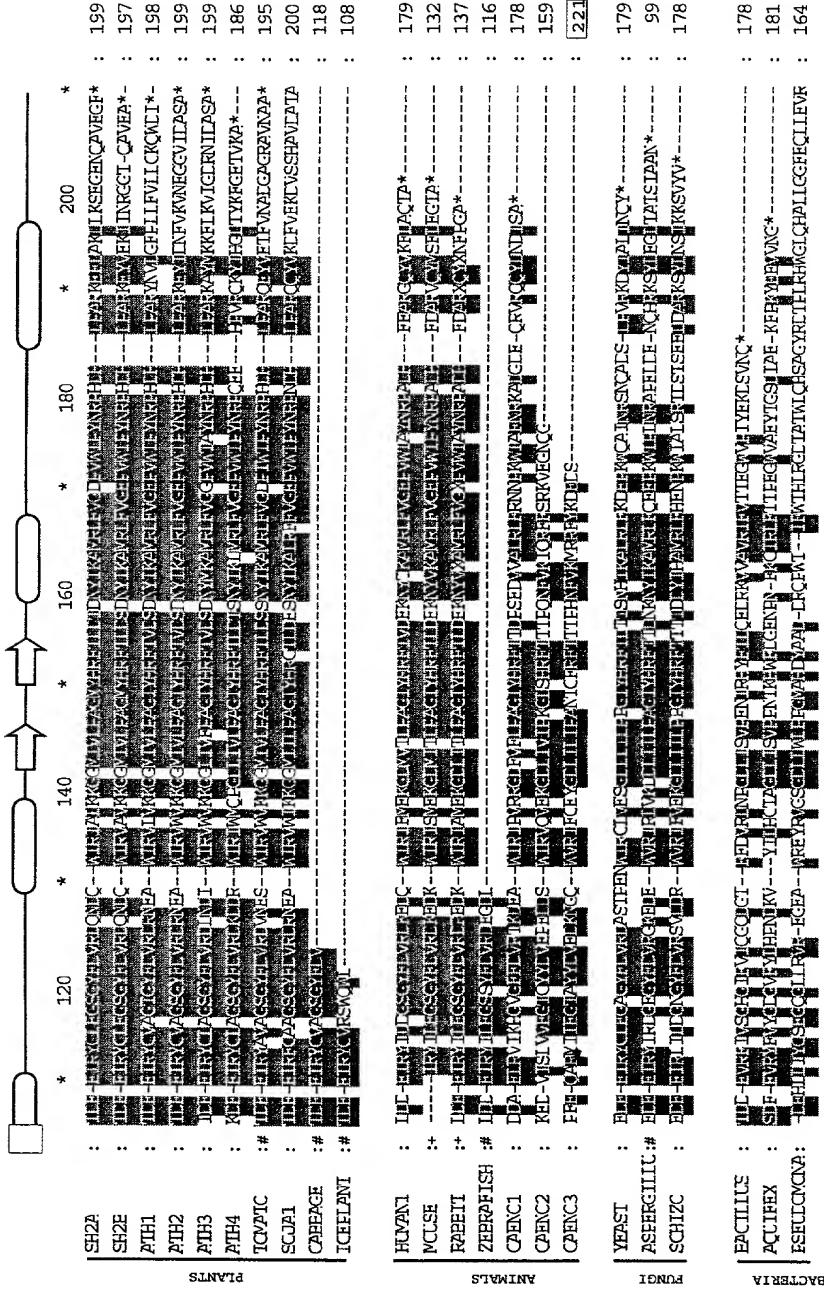


Fig. 3

	SH2A	SH2B	ATH1	ATH2	ATH3	ATH4	HUMAN	CAENO1	CAENO2	SCHIZO	SCEREV	BACSUB	AQUIFEX	PSEUDO
Oryza sativa SH2A	84 (93)	70 (85)	71 (87)	67 (83)	59 (74)	50 (67)	30 (49)	20 (35)	23 (46)	33 (46)	32 (51)	17 (33)	14 (29)	14 (24)
Oryza sativa SH2B	84 (93)	75 (87)	76 (88)	70 (84)	60 (75)	54 (69)	31 (49)	20 (35)	24 (47)	31 (44)	33 (50)	18 (33)	14 (29)	14 (24)
Arabidopsis thaliana 1	70 (85)	75 (87)	92 (95)	80 (88)	57 (73)	56 (69)	32 (52)	20 (36)	26 (47)	33 (45)	35 (51)	18 (34)	14 (30)	14 (26)
Arabidopsis thaliana 2	71 (87)	75 (88)	92 (95)	82 (89)	58 (75)	54 (68)	31 (50)	18 (34)	24 (45)	33 (46)	34 (50)	18 (33)	14 (30)	13 (25)
Arabidopsis thaliana 3	67 (83)	70 (84)	80 (88)	82 (89)	57 (73)	54 (69)	30 (50)	18 (34)	23 (45)	23 (45)	33 (48)	18 (32)	15 (30)	12 (26)
Arabidopsis thaliana 4	59 (74)	60 (75)	57 (73)	58 (75)	57 (73)	54 (70)	34 (53)	23 (46)	24 (41)	27 (41)	39 (56)	19 (32)	18 (30)	12 (24)
Homo sapiens	50 (67)	54 (89)	56 (69)	54 (68)	54 (69)	54 (70)	39 (58)	22 (37)	29 (53)	35 (51)	38 (55)	19 (34)	17 (32)	12 (23)
Caenorhabditis elegans 1	30 (49)	31 (49)	32 (52)	31 (50)	30 (50)	34 (53)	39 (58)	15 (29)	23 (46)	36 (51)	32 (49)	18 (35)	20 (33)	11 (25)
Caenorhabditis elegans 2	20 (35)	20 (35)	20 (36)	18 (34)	18 (34)	23 (46)	22 (37)	15 (29)	33 (48)	15 (29)	15 (31)	10 (23)	9 (20)	5 (12)
Caenorhabditis elegans 3	23 (46)	24 (47)	26 (47)	24 (45)	23 (45)	24 (41)	29 (53)	23 (46)	33 (48)	22 (42)	21 (45)	14 (35)	12 (25)	8 (22)
Schizosaccharomyces pombe	33 (46)	31 (44)	33 (45)	33 (46)	33 (48)	27 (41)	35 (51)	36 (51)	15 (29)	22 (42)	37 (58)	18 (36)	20 (34)	14 (28)
Saccharomyces cerevisiae	32 (51)	33 (55)	35 (51)	34 (50)	34 (50)	39 (56)	38 (55)	32 (49)	15 (31)	21 (45)	37 (58)	16 (33)	17 (30)	15 (24)
Bacillus subtilis	17 (33)	18 (33)	18 (33)	18 (32)	19 (32)	19 (34)	18 (35)	10 (23)	14 (35)	18 (36)	16 (33)	26 (46)	6 (19)	
Aquifex aeolicus	14 (29)	14 (29)	14 (30)	14 (30)	15 (30)	18 (30)	17 (32)	20 (33)	9 (20)	12 (25)	20 (34)	17 (30)	26 (46)	7 (19)
Pseudomonas aeruginosa	14 (24)	14 (24)	14 (26)	13 (25)	12 (26)	12 (24)	12 (23)	11 (25)	5 (12)	8 (22)	14 (26)	15 (24)	6 (19)	7 (19)
	SH2A	SH2B	ATH1	ATH2	ATH3	ATH4	HUMAN	CAENO1	CAENO2	SCHIZO	SCEREV	BACSUB	AQUIFEX	PSEUDO

Fig.4

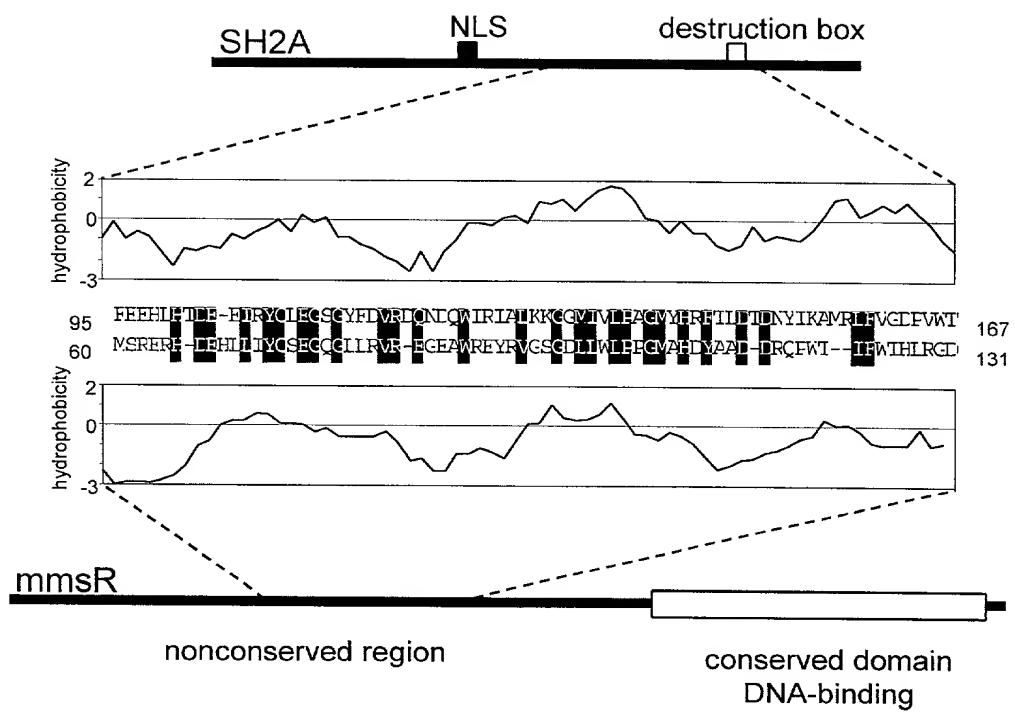


Fig. 5

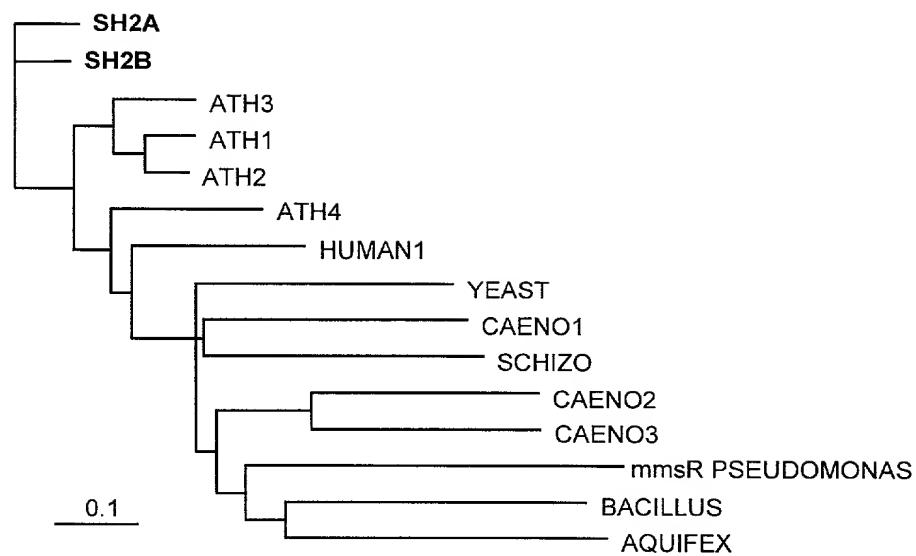
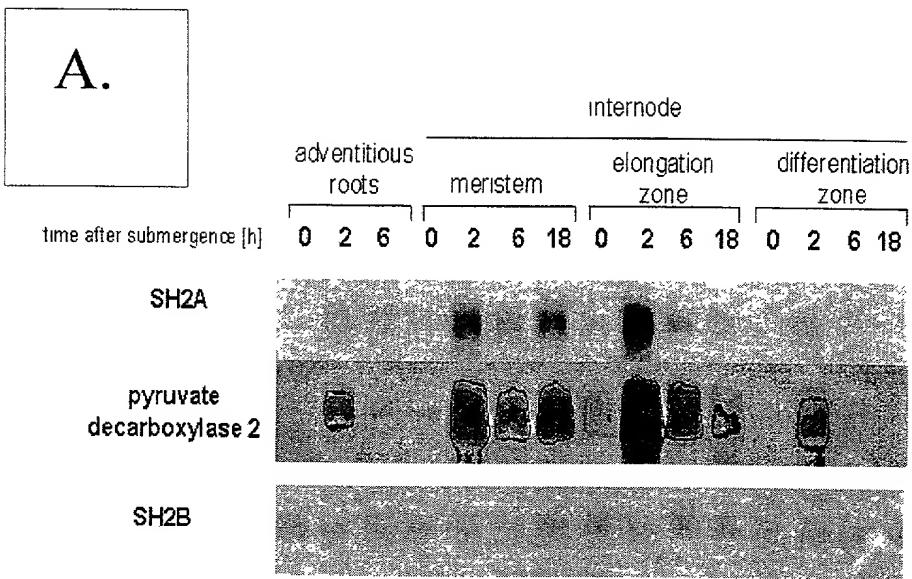


Fig. 6

A.



B.

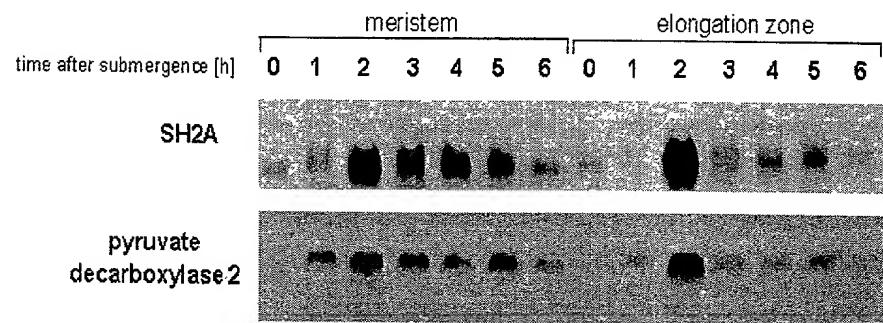


Fig. 7

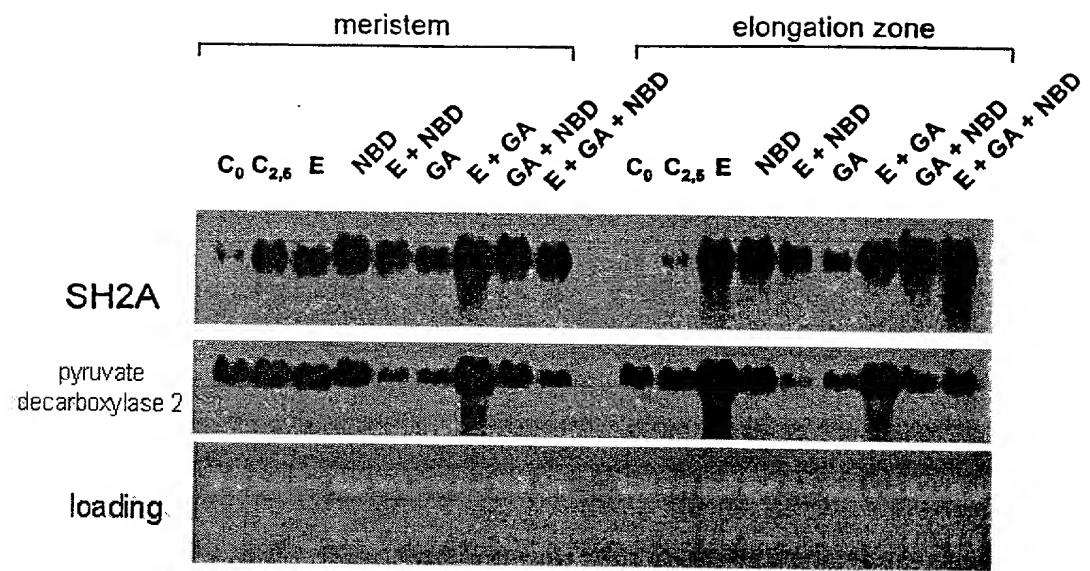
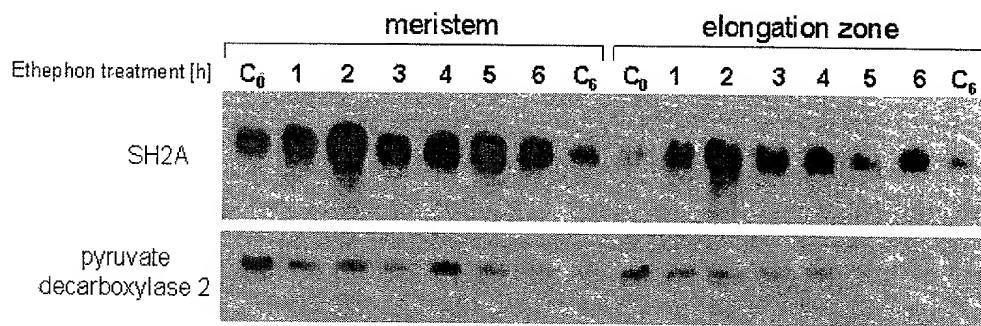


Fig.8

A



B

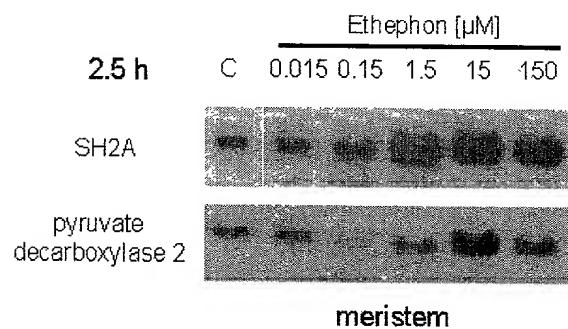
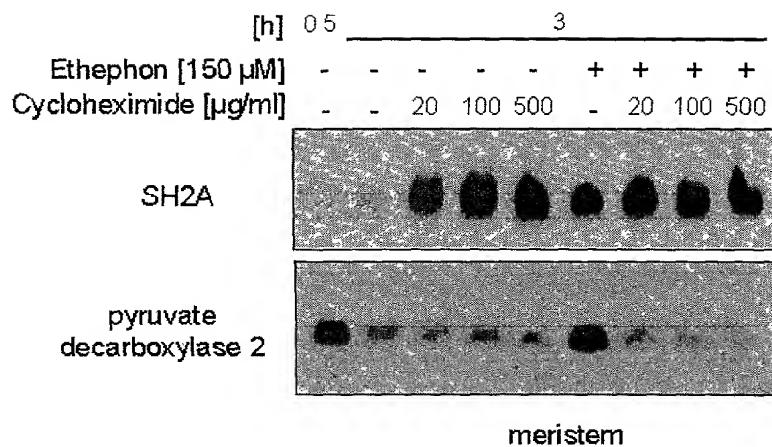
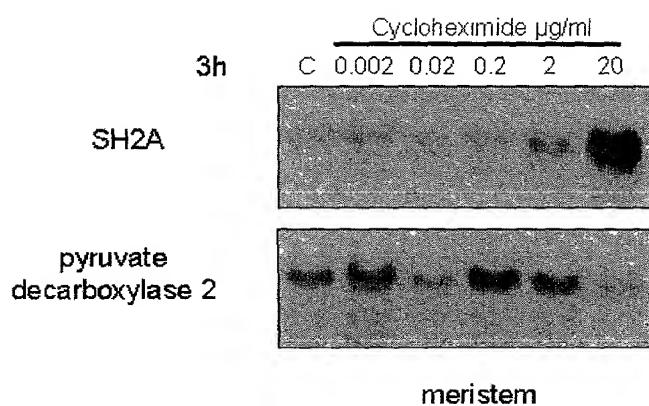


Fig.9

A



B



**Fig. 10**

